

WARM-UP

ESTIMATE.

1. 74% of 195

$$\cancel{4} \cancel{5} \frac{3}{4} \cdot \cancel{1} \cancel{7} \cancel{5} = \frac{146.25}{1} = 146.25$$

Handwritten calculation for estimating 74% of 195. The fraction 3/4 is used as an estimate for 74%. The number 195 is crossed out and replaced with 175. The calculation shows 175 multiplied by 3/4, resulting in 146.25.

Find the EXACT number.

2. 27% of what number is 346?

$$\begin{array}{r} 09 \mid 0 \\ 10 \mid 195 \approx 20 \\ 21 \mid 140 \\ 20 \mid 140 \\ 100 \mid 195 \end{array} \quad \text{and} \quad \boxed{50}$$

Handwritten calculations for finding the exact number. The first part shows a series of divisions: 09 into 0, 10 into 195 (approx 20), 21 into 140, 20 into 140, and 100 into 195. The second part shows the number 50 circled, which is the exact number for the second problem (27% of 50 is 13.5, which is not 346, so this might be a different calculation or a correction).

How do you calculate the **SALE PRICE** of a new pair of a new pair of shoes if the shoes are \$88 and are on sale for \$25 off?

What is the **DISCOUNT**?

$$88 - 25 = 63$$

$$\text{orig price} - \text{dis} = \text{Sale price}$$

What is the difference between SALE PRICE and DISCOUNT?

Use **MENTAL MATH** to find the **SALE PRICE**.

1. 10% off \$90

Discount
\$9-

Sale Price
\$81

2. 25% off \$80

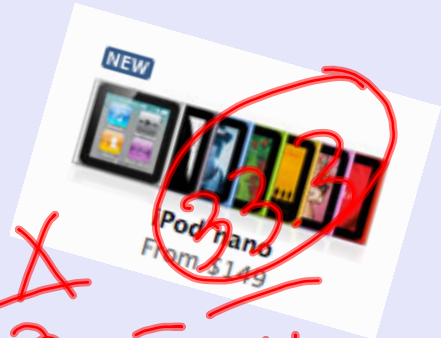
\$20



\$60

3. $\frac{1}{3}$ off \$150

\$50



$$\frac{150}{3}$$

$$150 \cdot 0.33333 \frac{1}{3} = 50$$

4. 60% off \$59.99

\$35.99
\$39.96



5. 75% off \$40

3.40
4
75% of 40 = $\frac{75}{100} \times 40$



$\frac{40}{4} = 10$ \$30

Which is the better price?

STORE A: 15% off \$100

STORE B: $\frac{1}{3}$ off \$119.95

STORE C: 25% off \$120

STORE D: 60% off \$190

Which is the better price?

STORE A: 10% off \$15

STORE B: 60% off \$40

STORE C: \$10 off \$24.95

STORE D: 20% off \$25

HOMEWORK!